

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A mobile communication system including a plurality of base stations, a control station which controls said base stations, and switching apparatuses each of which is a part of one of ~~corresponds to~~ said base station or said control station, wherein said switching apparatuses are connected with each other by a wireless circuit or an optical fiber circuit, said switching apparatus ~~corresponding to a base station or a control station~~ in a sending side comprising:

a modulation part configured to modulate ~~for modulating~~ a first signal into a second signal of a unified transmission form;

a first switching part configured to switch ~~for switching~~ an output destination of said second signal from said modulation part according to a sending destination of said second signal; and

a wireless signal transmission part configured to send ~~for sending~~ said second signal from said first switching part to a base station or a control station in a receiving side via a wireless circuit;

an optical signal transmission part configured to send ~~for sending~~ said second signal from said first switching part to a base station or a control station in a receiving side via an optical fiber circuit,

said switching apparatus ~~corresponding to a base station or a control station~~ in a receiving side comprising:

a wireless signal receiving part configured to receive ~~for receiving~~ a third signal via a wireless circuit;

an optical signal receiving part configured to receive ~~for receiving~~ a third signal via an optical fiber circuit; and

a demodulation part configured to demodulate ~~for demodulating~~ said third signal.

Claim 2 (Currently Amended): The mobile communication system as claimed in claim 1, said switching apparatus ~~corresponding to a base station or a control station~~ in a sending side further comprising:

a frequency control part configured to control ~~for controlling~~ a frequency of said second signal output from said modulation part according to said sending destination;

wherein said first switching part switches said output destination according to said frequency of said second signal.

Claim 3 (Currently Amended): The mobile communication system as claimed in claim 1, said switching apparatus ~~corresponding to a base station or a control station~~ in a sending side further comprising:

a variable directional antenna configured to send ~~for sending~~ said second signal from said wireless signal transmission part to a destination via said wireless circuit; and

a beam forming part configured to direct ~~for directing~~ said variable directional antenna to an antenna of a base station or a control station in a receiving side according to said frequency of said second signal.

Claim 4 (Currently Amended): The mobile communication system as claimed in claim 2, said switching apparatus ~~corresponding to a base station or a control station~~ in a sending side further comprising:

a variable directional antenna configured to send ~~for sending~~ said second signal from said wireless signal transmission part to a destination via said wireless circuit; and

a beam forming part configured to direct ~~for directing~~ said variable directional antenna to an antenna of a base station or a control station in a receiving side according to said frequency of said second signal.

Claim 5 (Currently Amended): The mobile communication system as claimed in claim 1, said switching apparatus ~~corresponding to a base station or a control station~~ in a receiving side further comprising a second switching part configured to switch ~~for switching~~ an output destination of said third signal to a demodulation part.

Claim 6 (Original): The mobile communication system as claimed in claim 5, wherein said second switching part switches said output destination of said third signal according to a frequency of said third signal.

Claim 7 (Currently Amended): The mobile communication system as claimed in claim 1, said switching apparatus ~~corresponding to a base station or a control station~~ in a receiving side further comprising a selection part configured to select ~~for selecting~~ a fourth signal and outputting said fourth signal to said demodulation part when a plurality of signals are received.

Claim 8 (Currently Amended): The mobile communication system as claimed in claim 1, said switching apparatus ~~corresponding to a base station or a control station~~ in a receiving side further comprising a frequency control part configured to control ~~for controlling~~ said demodulation part such that said demodulation part can demodulate said third signal according to a frequency of said third signal.

Claim 9 (Currently Amended): The mobile communication system as claimed in claim 1, said switching apparatus ~~corresponding to a base station or a control station~~ in a receiving side further comprising:

a variable directional antenna configured to receive ~~for receiving~~ said third signal from said wireless circuit and outputting said third signal to said wireless signal receiving part;

a beam forming part configured to direct ~~for directing~~ said variable directional antenna to an antenna of a base station or a control apparatus in a sending side.

Claim 10 (Original): The mobile communication system as claimed in claim 9, wherein said beam forming part directs said variable directional antenna to an antenna according to a frequency of said third signal.

Claim 11 (Currently Amended): A switching apparatus in a mobile communication system including a plurality of base stations and a control station which controls said base stations, each of said base stations and said control station having said switching apparatus, said switching apparatus being connected to another switching apparatus via a wireless circuit or an optical fiber circuit, said switching apparatus comprising:

a modulation part configured to modulate ~~for modulating~~ a first signal into a second signal of a unified transmission form;

a first switching part configured to switch ~~for switching~~ an output destination of said second signal from said modulation part according to a sending destination of said second signal; and

a wireless signal transmission part configured to send ~~for sending~~ said second signal from said first switching part to a base station or a control station in a receiving side via a wireless circuit; and

an optical signal transmission part configured to send ~~for sending~~ said second signal from said first switching part to a base station or a control station in a receiving side via an optical fiber circuit.

Claim 12 (Currently Amended): The switching apparatus as claimed in claim 11, further comprising:

a frequency control part configured to control ~~for controlling~~ a frequency of said second signal output from said modulation part according to said sending destination;

wherein said first switching part switches said output destination according to said frequency of said second signal.

Claim 13 (Currently Amended): The switching apparatus as claimed in claim 11, further comprising:

a variable directional antenna configured to send ~~for sending~~ said second signal from said wireless signal transmission part to a destination via said wireless circuit; and

a beam forming part configured to direct ~~for directing~~ said variable directional antenna to an antenna of a base station or a control station in a receiving side.

Claim 14 (Currently Amended): The switching apparatus as claimed in claim 12, further comprising:

a variable directional antenna configured to send ~~for sending~~ said second signal from said wireless signal transmission part to a destination via said wireless circuit; and

a beam forming part configured to direct ~~for directing~~ said variable directional antenna to an antenna of a base station or a control station in a receiving side according to said frequency of said second signal.

Claim 15 (Currently Amended): A switching apparatus in a mobile communication system including a plurality of base stations and a control station which controls said base stations, each of said base stations and said control station having said switching apparatus, said switching apparatus being connected to another switching apparatus via a wireless circuit or an optical fiber circuit, said switching apparatus comprising:

a wireless signal receiving part configured to receive ~~for receiving~~ a first signal via a wireless circuit;

an optical signal receiving part configured to receive ~~for receiving~~ a first signal via an optical fiber circuit; and

a demodulation part configured to demodulate ~~for demodulating~~ said first signal when received by the wireless signal receiving part or the optical signal receiving part.

Claim 16 (Currently Amended): The switching apparatus as claimed in claim 15, further comprising a switching part configured to switch ~~for switching~~ an output destination of said first signal to a demodulation part.

Claim 17 (Original): The switching apparatus as claimed in claim 16, wherein said switching part switches said output destination of said first signal according to a frequency of said first signal.

Claim 18 (Currently Amended): The switching apparatus as claimed in claim 15, further comprising a selection part configured to select ~~for selecting~~ a second signal and outputting said second signal to said demodulation part when a plurality of signals are received.

Claim 19 (Currently Amended): The switching apparatus as claimed in claim 15, further comprising a frequency control part configured to control ~~for controlling~~ said demodulation part such that said demodulation part can demodulate said first signal according to a frequency of said first signal.

Claim 20 (Currently Amended): The switching apparatus as claimed in claim 15, further comprising:

a variable directional antenna configured to receive ~~for receiving~~ said first signal from said wireless circuit and outputting said first signal to said wireless signal receiving part;

a beam forming part configured to direct ~~for directing~~ said variable directional antenna to an antenna of a base station or a control apparatus in a sending side.

Claim 21 (Original): The switching apparatus as claimed in claim 20, wherein said beam forming part directs said variable directional antenna to an antenna according to a frequency of said first signal.